

Amdt. dated May 4, 2004
Reply to Office action of February 5, 2004

Serial No. 09/870,326
Docket No. TUC920010023US1
Firm No. 0018.0093

Amendments to the Specification

Please replace the paragraph beginning at page 4, line 6 with the following rewritten paragraph.

In one implementation, the storage system 4 comprises a RAID storage system including multiple slots 14a, b, c, d, e, f on a backplane for interfacing with hard disk drives ~~14b, c, d, e, f~~ 16b, c, d, e, f as known in the RAID array art. The slots 14a, b, c, d, e, f may comprise an Integrated Drive Electronics (IDE) interface, Small Computer System Interface (SCSI), or any other interface known in the art. FIG. 1 shows one slot 14a of the array having no attached storage device. The storage system 4 further includes a RAID 18 manager including the software and code to manage the hard disk drives ~~16a, b, c, d, e~~ 16b, c, d, e, f as a RAID array and perform other RAID management operations known in the art. The RAID manager 18 further includes application programming interfaces (APIs) that are capable of causing the RAID manager 18 to determine the status of the hard disk drives ~~16a, b, c, d, e~~ 16b, c, d, e, f, including the status of any rebuilding operations, failures, recovery, etc., in a manner known in the art. The RAID manager 18 would return information to the calling program after executing the APIs.

Please replace the paragraph beginning at page 5, line 8 with the following rewritten paragraph.

In the described implementations, the RAID manager 18 would include RAID algorithms to rebuild the RAID storage space or logical drive in response to a reconfiguration of the logical array, such as adding or removing storage space, or in response to a failure. If there is a failure of one or more of the hard disk drives ~~16b, c, d, e, f~~, then the RAID manager 18 may rebuild the logical storage space using the data and parity information on the surviving disks ~~16b, c, d, e, f~~. In the event of a failure, a new disk may be used in the rebuilding operation. The new disk may comprise a hot spare already engaged with a port 14a, b, c, d, e, f or a new disk substituted for the

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failed disk. The RAID manager ~~16~~ 18 is further capable of implementing APIs to access information on the current status of physical and logical disk drives in a manner known in the art.